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Sequence Listing could not be accepted.

If you need help call the Patent Electronic Business Center at (866) 217-9197 (toll free).

Reviewer: Durreshwar Anjum

Timestamp: Wed Jun 06 13:00:52 EDT 2007

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Reviewer Comments:

Seq Id 15,16,17 has an invalid response for <213>. If <213> responses are Aritificial or Unknown please give the source of genetic material. The response mentioned is not sufficient.

Application No: 10077624 Version No: 2.0

Input Set:

Output Set:

Started: 2007-06-05 17:45:55.806
Finished: 2007-06-05 17:45:57.165
Elapsed: 0 hr(s) 0 min(s) 1 sec(s) 359 ms
Total Warnings: 31
Total Errors: 0
No. of SeqIDs Defined: 31
Actual SeqID Count: 31

Error code	Error Description
W 213	Artificial or Unknown found in <213> in SEQ ID (1)
W 213	Artificial or Unknown found in <213> in SEQ ID (2)
W 213	Artificial or Unknown found in <213> in SEQ ID (3)
W 213	Artificial or Unknown found in <213> in SEQ ID (4)
W 213	Artificial or Unknown found in <213> in SEQ ID (5)
W 213	Artificial or Unknown found in <213> in SEQ ID (6)
W 213	Artificial or Unknown found in <213> in SEQ ID (7)
W 213	Artificial or Unknown found in <213> in SEQ ID (8)
W 213	Artificial or Unknown found in <213> in SEQ ID (9)
W 213	Artificial or Unknown found in <213> in SEQ ID (10)
W 213	Artificial or Unknown found in <213> in SEQ ID (11)
W 213	Artificial or Unknown found in <213> in SEQ ID (12)
W 213	Artificial or Unknown found in <213> in SEQ ID (13)
W 213	Artificial or Unknown found in <213> in SEQ ID (14)
W 213	Artificial or Unknown found in <213> in SEQ ID (15)
W 213	Artificial or Unknown found in <213> in SEQ ID (16)
W 213	Artificial or Unknown found in <213> in SEQ ID (17)
W 213	Artificial or Unknown found in <213> in SEQ ID (18)
W 213	Artificial or Unknown found in <213> in SEQ ID (19)
W 213	Artificial or Unknown found in <213> in SEQ ID (20)

Input Set:

Output Set:

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Total Errors: 0
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Error code

Error Description

This error has occurred more than 20 times, will not be displayed

SEQUENCE LISTING

<110> THE REGENTS OF THE UNIVERSITY OF CALIFORNIA

Shi, Wenyuan

Morrison, Sherie

Trinh, Kham

Wims, Letitia

Chen, Li

Anderson, Maxwell

Qi, Fengxia

<120> ANTI-MICROBIAL TARGETING CHIMERIC PHARMACEUTICAL

<130> 59157.8007.US01

<140> 10077624

<141> 2002-02-14

<150> US 09/910,358

<151> 2001-07-19

<150> US 09/378,577

<151> 1999-08-20

<160> 31

<170> PatentIn version 3.1

<210> 1

<211> 563

<212> DNA

<213> Artificial sequence

<220>

<223> Synthesized using sequential PCR techniques

<400> 1

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tccagtgtga tagccacgct aagcggcacc acggatataa gcggaagttc cacgagaagc 120

accactcgca cagaggatac tctggtggcg gtggctcggg cggaggtggg tcgggtggcg 180

gcggatccga cgtgaagctt gtggagtctg ggggaggctt agtgaaccct ggaggggtccc 240

tgaactctc ctgtgcagcc tctggattca ctttcagtag ctataccatg tcttgggttc 300

gccagactcc ggagaagagg ctggagtggg tcgcatccat tagtagtggg ggtacttaca 360

cctactatcc agacagtgtg aagggccgat tcaccatctc cagagacaat gccaagaaca 420

ccctgtacct gcaaagacc agtctgaagt ctgaggacac agccatgtat tactgttcaa 480

gagatgacgg ctctacggc tcctattact atgctatgga ctactggggg caaggaacct 540

cagtcaccgt ctcttcagct agc 563

<210> 2
<211> 24
<212> PRT
<213> Artificial sequence

<220>
<223> Synthesized using sequential PCR techniques

<400> 2

Asp Ser His Ala Lys Arg His His Gly Tyr Lys Arg Lys Phe His Glu
1 5 10 15

Lys His His Ser His Arg Gly Tyr
20

<210> 3
<211> 16
<212> PRT
<213> Artificial sequence

<220>
<223> Synthesized using sequential PCR techniques

<400> 3

Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
1 5 10 15

<210> 4
<211> 65
<212> PRT
<213> Artificial sequence

<220>
<223> Synthesized using sequential PCR techniques

<400> 4

Asp Ser His Ala Lys Arg His His Gly Tyr Lys Arg Lys Phe His Glu
1 5 10 15

Lys His His Ser His Arg Gly Tyr Ser Gly Gly Gly Gly Ser Gly Gly
20 25 30

Gly Gly Ser Gly Gly Gly Gly Ser Asp Val Lys Leu Val Glu Ser Gly
35 40 45

Gly Gly Leu Val Asn Pro Gly Gly Ser Leu Lys Leu Ser Cys Ala Ala
50 55 60

Ser Gly Phe Thr Phe Ser Ser Tyr Thr Met Ser Trp Val Arg Gln Thr
65 70 75 80

Pro Glu Lys Arg Leu Glu Trp Val Ala Ser Ile Ser Ser Gly Gly Thr
85 90 95

Tyr Thr Tyr Tyr Pro Asp Ser Val Lys Gly Arg Phe Thr Ile Ser Arg
100 105 110

Asp Asn Ala Lys Asn Thr Leu Tyr Leu Gln Met Thr Ser Leu Lys Ser
115 120 125

Glu Asp Thr Ala Met Tyr Tyr Cys Ser Arg Asp Asp Gly Ser Tyr Gly
130 135 140

Ser Tyr Tyr Tyr Ala Met Asp Tyr Trp Gly Gln Gly Thr Ser Val Thr
145 150 155 160

Val Ser Ser Ala Ser
165

<210> 5
<211> 533
<212> DNA
<213> Artificial sequence

<220>
<223> Synthesized using sequential PCR techniques

<400> 5
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tccagtgtaa gcggctgttt aaggagctca agttcagcct gcgcaagtac tctggtggcg 120
gtggctcggg cggagggtggg tcgggtggcg gcggatccga cgtgaagctt gtggagtctg 180
ggggaggctt agtgaaccct ggagggtccc tgaaactctc ctgtgcagcc tctggattca 240
ctttcagtag ctataccatg tcttgggttc gccagactcc ggagaagagg ctggagtggg 300
tcgcatccat tagtagtggg ggtacttaca cctactatcc agacagtgtg aagggccgat 360
tcaccatctc cagagacaat gccaagaaca cctgtacct gcaaatgacc agtctgaagt 420
ctgaggacac agccatgtat tactgttcaa gagatgacgg ctctacggc tcctattact 480
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<210> 6
<211> 14
<212> PRT
<213> Artificial sequence

<220>
<223> Synthesized using sequential PCR techniques

<400> 6

Lys Arg Leu Phe Lys Glu Leu Lys Phe Ser Leu Arg Lys Tyr
1 5 10

<210> 7
<211> 155
<212> PRT
<213> Artificial sequence

<220>
<223> Synthesized using sequential PCR techniques

<400> 7

Lys Arg Leu Phe Lys Glu Leu Lys Phe Ser Leu Arg Lys Tyr Ser Gly
1 5 10 15

Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Asp Val
20 25 30

Lys Leu Val Glu Ser Gly Gly Gly Leu Val Asn Pro Gly Gly Ser Leu
35 40 45

Lys Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr Thr Met
50 55 60

Ser Trp Val Arg Gln Thr Pro Glu Lys Arg Leu Glu Trp Val Ala Ser
65 70 75 80

Ile Ser Ser Gly Gly Thr Tyr Thr Tyr Tyr Pro Asp Ser Val Lys Gly
85 90 95

Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr Leu Gln
100 105 110

Met Thr Ser Leu Lys Ser Glu Asp Thr Ala Met Tyr Tyr Cys Ser Arg
115 120 125

Asp Asp Gly Ser Tyr Gly Ser Tyr Tyr Tyr Ala Met Asp Tyr Trp Gly

130

135

140

Gln Gly Thr Ser Val Thr Val Ser Ser Ala Ser
145 150 155

<210> 8

<211> 89

<212> DNA

<213> Artificial sequence

<220>

<223> Primer 986

<400> 8

caccactcgc acagaggata ctctgggtggc ggtggctcgg gcggagggtgg gtcgggtggc 60

ggcggatccg acgtgaagct tgtggagtc 89

<210> 9

<211> 84

<212> DNA

<213> Artificial sequence

<220>

<223> Primer 987

<400> 9

ggtgtccagt gtgatagcca cgctaagcgg caccacggat ataagcggaa gttccacgag 60

aagcaccact cgcacagagg atac 84

<210> 10

<211> 74

<212> DNA

<213> Artificial sequence

<220>

<223> Primer 988

<400> 10

gatatccacc atggacttcg ggttgagctt ggttttcctt gtccttactt taaaagggtgt 60

ccagtgtgat agcc 74

<210> 11

<211> 87

<212> DNA

<213> Artificial sequence

<220>

<223> Primer 989

<400> 11
 gttcagcctg cgcaagtact ctggtggcgg tggctcgggc ggaggtgggt cgggtggcgg 60
 cggateccgac gtgaagcttg tggagtc 87

<210> 12
 <211> 69
 <212> DNA
 <213> Artificial sequence

<220>
 <223> Primer 990

<400> 12
 gtccttactt taaaagggtg ccagtgtgta cggctgttta aggagctcaa gttcagcctg 60
 cgcaagtac 69

<210> 13
 <211> 65
 <212> DNA
 <213> Artificial sequence

<220>
 <223> Primer 991

<400> 13
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 tccag 65

<210> 14
 <211> 39
 <212> DNA
 <213> Artificial sequence

<220>
 <223> Primer 452

<400> 14
 tgggtcgacw gatggggstg ttgtgctagc tgaggagac 39

<210> 15
 <211> 18
 <212> PRT
 <213> Artificial sequence

<220>
 <223> Protegrin PG-1

<400> 15
 Arg Gly Gly Arg Leu Cys Tyr Cys Arg Arg Arg Phe Cys Val Cys Val

1 5 10 15

Gly Arg

<210> 16
<211> 57
<212> DNA
<213> Artificial sequence

<220>

<223> Protegrin PG-1

<400> 16

aggggagggtc gcctgtgcta ttgtaggcgt aggttctgcg tctgtgtcgg acgagga

57

<210> 17
<211> 18
<212> PRT
<213> Artificial sequence

<220>

<223> Novispirin G10

<400> 17

Lys Asn Leu Arg Arg Ile Ile Arg Lys Gly Ile His Ile Ile Lys Lys

1 5 10 15

Tyr Gly

<210> 18
<211> 36
<212> DNA
<213> Artificial sequence

<220>

<223> Forward primer 1

<400> 18

ggtggttgct cttccaacag gggagggtcgc ctgtgc

36

<210> 19
<211> 23
<212> DNA
<213> Artificial sequence

<220>

<223> Reverse primer 2

<400> 19
ccggatcctc gtccgacaca gac

23

<210> 20
<211> 23
<212> DNA
<213> Artificial sequence

<220>
<223> Forward primer 3

<400> 20
ggggatccgg tggcgggtggc tcg

23

<210> 21
<211> 26
<212> DNA
<213> Artificial sequence

<220>
<223> Reverse primer 4

<400> 21
aacatcgata gatccgccgc cacccg

26

<210> 22
<211> 23
<212> DNA
<213> Artificial sequence

<220>
<223> Forward primer 5

<400> 22
ggatcgatgt tgtgatgacc cag

23

<210> 23
<211> 31
<212> DNA
<213> Artificial sequence

<220>
<223> Reverse primer 6

<400> 23
gcgggtcgac cgacttacgt ttcagctcca g

31

<210> 24
<211> 29
<212> DNA
<213> Artificial sequence

<220>

<223> Forward primer 7

<400> 24

gcgggtcgac gtgaagctgg tggagtctg

29

<210> 25

<211> 30

<212> DNA

<213> Artificial sequence

<220>

<223> Reverse primer 8

<400> 25

gggtgttgag ctagctgaag agacggtgac

30

<210> 26

<211> 24

<212> PRT

<213> Artificial sequence

<220>

<223> Linker 2

<400> 26

Leu Asp Pro Lys Ser Cys Glu Arg Ser His Ser Cys Pro Pro Cys Gly
1 5 10 15

Gly Gly Ser Gly Gly Gly Thr Ser
20

<210> 27

<211> 72

<212> DNA

<213> Artificial sequence

<220>

<223> Linker 2

<400> 27

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60

ggtggcacta gt

72

<210> 28

<211> 28

<212> DNA

<213> Artificial sequence

<220>

<223> Forward primer 9

<400> 28

gtgggctagc ctcgacccaa agagctgc

28

<210> 29

<211> 38

<212> DNA

<213> Artificial sequence

<220>

<223> Reverse primer 10

<400> 29

aggttctcgg ggctgcccac tagtgccacc gccggacc

38

<210> 30

<211> 19

<212> DNA

<213> Artificial sequence

<220>

<223> Forward primer 11

<400> 30

gggcagcccc gagaacaac

19

<210> 31

<211> 33

<212> DNA

<213> Artificial sequence

<220>

<223> Reverse primer 12

<400> 31

ggtggtctgc agtttaccgc gggacaggga gag

33